

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKAHIRO HIRAMURA	11/28/2019
KIYOSHI IKURA	11/27/2019
SAE ITAYA	11/26/2019
TOMOHIITO OKABAYASHI	11/26/2019
NAOHIRO HASHIKAWA	11/26/2019
TETSURO MORITA	12/10/2019
KIMIKO IKEDA	12/10/2019
HARUKA WAKAYAMA	12/10/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16600066
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PATENT

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ATTORNEY DOCKET NUMBER: 1007-050 DIV

NAME OF SUBMITTER: PING WANG

SIGNATURE: /Ping Wang/

DATE SIGNED: 12/26/2019

Total Attachments: 3

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Docket No.: 1007-050 DIV

Assignment of Application

WHEREAS, I (we), _____
Takahiro HIRAMURA, c/o Daicel Corporation, 18-1, Konan 2-Chome, Minato-ku, Tokyo 108-8230 JAPAN;

Kiyoshi IKURA, c/o Daicel Corporation, 18-1, Konan 2-Chome, Minato-ku, Tokyo 108-8230 JAPAN;

Sae ITAYA, c/o Daicel Corporation, 18-1, Konan 2-Chome, Minato-ku, Tokyo 108-8230 JAPAN;

Tomohito OKABAYASHI, c/o Daicel Corporation, 18-1, Konan 2-Chome, Minato-ku, Tokyo 108-8230 JAPAN;

Naohiro HASHIKAWA, c/o Daicel Corporation, 18-1, Konan 2-Chome, Minato-ku, Tokyo 108-8230 JAPAN;

Tetsuro MORITA, c/o Nichirin Chemical Industries, Ltd., 320, Senzo 4-chome, Itami-shi, Hyogo 664-0898 JAPAN;

Kimiko IKEDA, c/o Nichirin Chemical Industries, Ltd., 320, Senzo 4-chome, Itami-shi, Hyogo 664-0898 JAPAN; and

Haruka WAKAYAMA, c/o Nichirin Chemical Industries, Ltd., 320, Senzo 4-chome, Itami-shi, Hyogo 664-0898 JAPAN.

_____, respectively,

have invented certain new and useful improvements in:

METHOD FOR PRODUCING DISINTEGRATING PARTICULATE COMPOSITION
COMPRISING ACID-TYPE CARBOXYMETHYLCELLULOSE, DISINTEGRATING
PARTICULATE COMPOSITION COMPRISING ACID-TYPE
CARBOXYMETHYLCELLULOSE, AND ORALLY DISINTEGRATING TABLET
INCLUDING DISINTEGRATING PARTICULATE COMPOSITION COMPRISING ACID-
TYPE CARBOXYMETHYLCELLULOSE

for which an application for Letters Patent was executed on _____

(Application No. 16/600,066, Filed October 11, 2019); and

1) DAICEL CORPORATION

WHEREAS, 2) NICHIRIN CHEMICAL INDUSTRIES, LTD

(hereinafter referred to as "ASSIGNEE"), having a place of business at:

1) 3-1, Ofuka-cho, Kita-ku, Osaka-shi, Osaka 530-0011 JAPAN

2) 320, Senzo 4-chome, Itami-shi, Hyogo 664-0898 JAPAN

is desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.

I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) Ping Wang, M.D. and the firm of Morris, Manning & Martin, LLP, 1401 I Street, N.W., Suite 600, Washington, DC 20005, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	<u>Nov. 28, 2019</u>	<u>TAKAHIRO HIRAMURA</u> (Signature of Inventor) Takahiro HIRAMURA
Date:	<u>Nov. 27, 2019</u>	<u>Kiyoshi Ikura</u> (Signature of Inventor) Kiyoshi IKURA
Date:	<u>Nov. 26, 2019</u>	<u>Sae Itaya</u> (Signature of Inventor) Sae ITAYA
Date:	<u>Nov. 26, 2019</u>	<u>Tomohito Okabayashi</u> (Signature of Inventor) Tomohito OKABAYASHI

Date: Nov. 26, 2019

Naohiro Hashikawa
(Signature of Inventor) Naohiro HASHIKAWA

Date: Dec. 10, 2019

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Date: Dec. 10, 2019

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